Collaborative Workbench to Accelerate Science Algorithm Development (CWB)

Completed Technology Project (2012 - 2015)

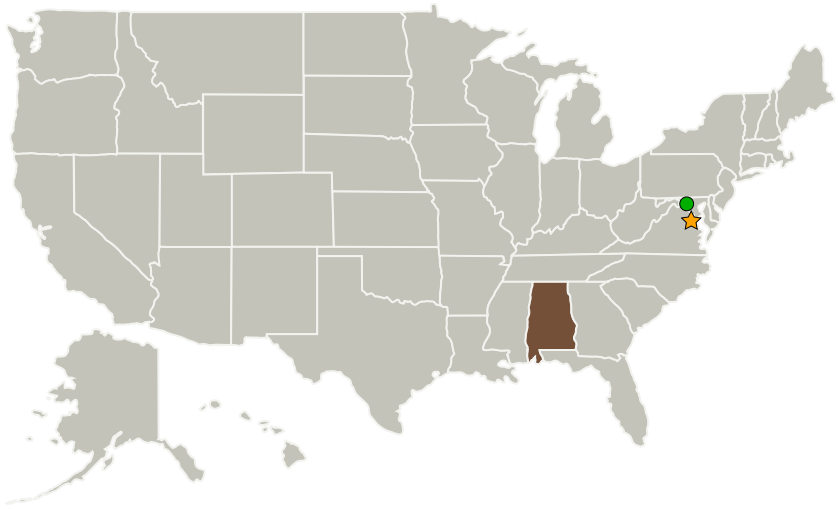
Project Introduction

Support the vision of Earth Science research as a community enterprise and provide building blocks for the Earth Science Collaboratory. Leverage the evolving technology landscape to design an architecture for scalable collaboration
Collaborations can scale from individuals sharing science resources, to sharing within groups such as science mission teams, to sharing with the entire science community.
Design and build software components that fit the way researchers currently perform scientific analysis.
These new components should work as part of researchers' current analysis tools.

Anticipated Benefits

Cross-cutting

Primary U.S. Work Locations and Key Partners



Project Image Collaborative Workbench (CWB) to Accelerate Science Algorithm Development

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Organizations Performing Work	Role	Type	Location
★NASA Headquarters(HQ)	Lead Organization	NASA Center	Washington, District of Columbia
●Goddard Space Flight Center(GSFC)	Supporting Organization	NASA Center	Greenbelt, Maryland
University of Alabama in Huntsville(UAH)	Supporting Organization	Academia	Huntsville, Alabama

Primary U.S. Work Locations
Alabama

Images

11850-1363097300556.png
Project Image Collaborative Workbench (CWB) to Accelerate Science Algorithm Development
(https://techport.nasa.gov/image/1698)

Organizational Responsibility

Responsible Mission Directorate:
Science Mission Directorate (SMD)

Lead Center / Facility:
NASA Headquarters (HQ)

Responsible Program:
Earth Science

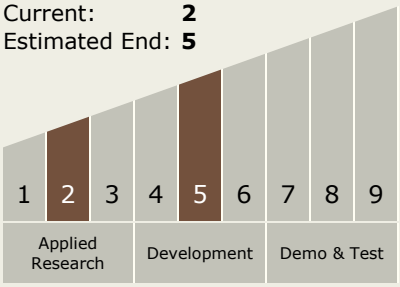
Project Management

Program Director:
George J Komar

Principal Investigator:
Manil Maskey

Technology Maturity (TRL)

Start: **2**
Current: **2**
Estimated End: **5**



Technology Areas

Primary:

Continued on following page.

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Technology Areas *(cont.)*

- TX11 Software, Modeling, Simulation, and Information Processing
  - TX11.4 Information Processing
    - TX11.4.4 Collaborative Science and Engineering

Target Destination

Earth